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Modeling the dynamics of networks and continuous behavior

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PROPOSITIONS

accompanying the dissertation

MODELING THE DYNAMICS OF NETWORKS AND CONTINUOUS BEHAVIOR

by

NYNKE M. D. NIEZINK

1. Social networks are especially important in terms of their interdependent dynamics with individual behavior.
2. The similarity of a linear stochastic differential equation model to the linear regression model naturally suggests its potential extensions and limitations.
– *Chapter 2*
3. La vie est la somme de tous vos choix. (Life is the sum of all your choices)
– *Albert Camus*
4. For users of the RSiena software, the difference between continuous and discrete behavior variables is only one word of code. – *Chapter 4*
5. The current recommendations on standard error estimation for stochastic actor-oriented models do not suffice for models that include parameters that are hard to estimate. – *Chapter 5*
6. Discretization of continuous behavior variables only affects the results of a stochastic actor-oriented model analysis when a coarse discretization scheme is used. – *Chapter 6*
7. Scientists should not aim to study big data, but to answer big questions.
8. All errors are wrong, but some are useful.